

A 3D coordinate system with axes  $X_1$ ,  $X_2$ , and  $X_3$ . The  $X_1$  axis is labeled with 1, 2, 3. The  $X_2$  axis is labeled with 1, 2, 3. The  $X_3$  axis is labeled with 1, 2, 3. Seven points are plotted:  $P_0$ ,  $P_1$ ,  $P_2$ ,  $P_3$ ,  $P_4$ ,  $P_5$ , and  $P_6$ . Dashed lines show the projections of these points onto the axes and the coordinate planes. The points are located at the following coordinates:  $P_0(0, 0, 3)$ ,  $P_1(1, 1, 2)$ ,  $P_2(1, 0, 2)$ ,  $P_3(0, 0, 2)$ ,  $P_4(2, 2, 2)$ ,  $P_5(1, 1, 1)$ , and  $P_6(1, 1, 1)$ .

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graph TD
    201([ENTER]) --> 202[SET UP DATA ARRAY]
    202 --> 203[CALCULATE STATISTICS AND SET ORDER OF DIMENSIONS]
    203 --> 205[SET ARRAY OF THRESHOLD VALUES]
    205 --> 206[INDEX = 1]
    206 --> 207[ASSIGN]
    207 --> 209([EXIT])

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FIG. 2

